

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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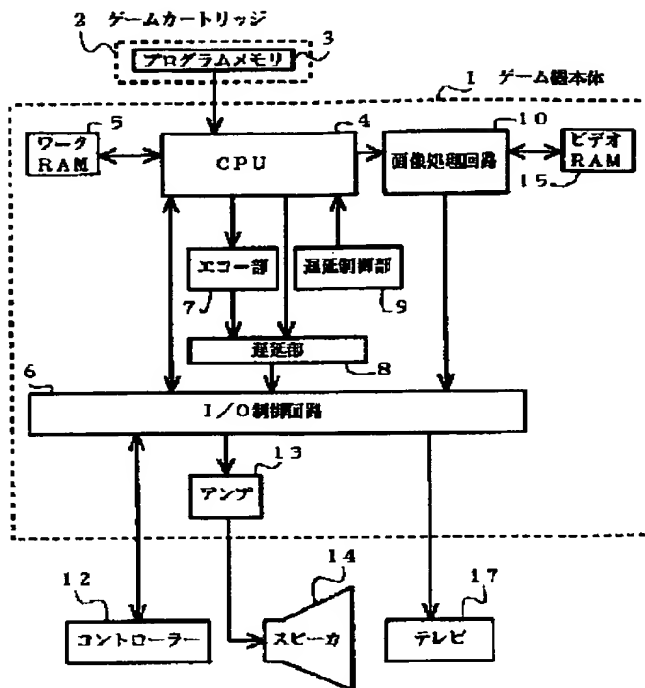
APPLICATION DATE : 14-02-94  
APPLICATION NUMBER : 06017327

APPLICANT : SEGA ENTERP LTD;

INVENTOR : NITSUTA SHIYOUKI;

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TITLE : EFFECTIVE SOUND GENERATING DEVICE



ABSTRACT : PURPOSE: To provide an effective sound generating device which can generate particular effective sound in response to versatility for the game software of a game machine.

CONSTITUTION: A game cartridge 2 in which a program memory is built in is connected to the CPU 4 of a television game machine main body 1. Those such as a work RAM 5, an I/O control circuit 6, an echo section 7, a delay section 8, a delay control section 9 and an image processing circuit 10 are connected to the CPU 4. A controller 12 for controlling characters is connected to the I/O control circuit 6, and also connected to a speaker 14 via an amplifier 13. A video RAM 15 and the I/O control circuit 6 are connected to the image processing circuit 10, and a television 17 is connected to the I/O control circuit 6 via a connecting cord. In this case, data for effective sound stored in a program memory is processed by the echo section 7 and the delay section 8 so as to be sounded out of the speaker.

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